

ZG5-Series, Gasoline Hydraulic Pumps

▼ Shown: ZG5420MX-R



Z CLASS

**Tough, Dependable,
Innovative**

- Features Z-Class high efficiency pump design, higher oil flow and bypass pressure
- Two-speed operation reduces cycle time for improved productivity
- User adjustable relief valve built-in on manual valves. Oil ports on valves are 3/8" NPTF
- Available in two 4-cycle engine sizes: 4,1 kW Honda and 4,8 kW Briggs & Stratton
- Full sight oil level glass on all reservoirs allow quick and easy oil level monitoring.



Speed Chart

To determine how a specific pump will operate your cylinder, see the Pump-Cylinder Speed Chart in the 'Yellow Pages'.

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ZG-Series, Gasoline Pump Performance

Elevation can affect the performance of any gasoline engine. ZG-Series pumps are designed to develop rated performance at elevations up to 1500 m. For applications above this elevation, please consult your Enerpac office.



User Adjustable Relief Valve

All VM-Series directional valves have a user adjustable relief valve to allow the operator to easily set the optimum working pressure.

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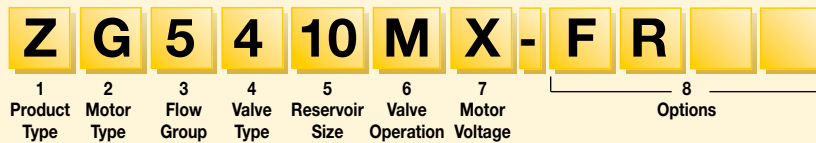
▼ SELECTION CHART

Used with Cylinder	Usable Oil Capacity (litres)	Manual Valve ¹⁾ Model Number	Valve Function	Model Number with Roll Cage	Output Flow Rate (l/min)				4-Cycle Engine Type and Size
					at 7 bar	at 50 bar	at 350 bar	at 700 bar	
Single-Acting	10	VM33	Advance/Hold/Retract	ZG5310MX-R	11,5	10,7	1,8	1,6	Honda 4,1 kW
	20	VM33	Advance/Hold/Retract	ZG5320MX-R	11,5	10,7	1,8	1,6	
Double-Acting	10	VM43	Advance/Hold/Retract	ZG5410MX-R	11,5	10,7	1,8	1,6	
	20	VM43	Advance/Hold/Retract	ZG5420MX-R	11,5	10,7	1,8	1,6	
Single-Acting	10	VM33	Advance/Hold/Retract	ZG5310MX-BR	6,5	6,2	1,8	1,6	Briggs & Stratton 4,8 kW
	20	VM33	Advance/Hold/Retract	ZG5320MX-BR	6,5	6,2	1,8	1,6	
Double-Acting	10	VM43	Advance/Hold/Retract	ZG5410MX-BR	6,5	6,2	1,8	1,6	
	20	VM43	Advance/Hold/Retract	ZG5420MX-BR	6,5	6,2	1,8	1,6	
	40	VM43L	Advance/Hold/Retract	ZG5840MX-BR	6,5	6,2	1,8	1,6	

¹⁾ See pages 114-116 for hydraulic symbols of these valves.

Gasoline Hydraulic Pumps

▼ This is how a ZG-Series pump model number is built up:



1 Product Type

Z = Pump Class

2 Prime Mover

G = Gasoline Engine

3 Flow Group

5 = 1,6 l/min @ 700 bar

6 = 3,3 l/min @ 700 bar (see page 112)

4 Valve Type

0 = No valve, with cover plate ¹⁾

2 = 3/2 manual valve **VM32**

3 = 3/3 manual valve **VM33**

4 = 4/3 manual valve **VM43**

6 = 3/3 manual locking valve **VM33L** with pilot operated check

8 = 4/3 manual locking valve **VM43L** with pilot operated check.

¹⁾ For remote valve mounting order **BSS1090** high pressure connecting plate.

5 Reservoir Size, useable oil

10 = 10 litres

20 = 20 litres

40 = 40 litres

6 Valve Operation

M = Manual valve

N = No valve

7 Motor Voltage

X = Not applicable

8 Factory installed options

B = Briggs & Stratton gasoline engine

F = Return Line Filter

G = 1000 bar pressure gauge

N = No reservoir handles (includes lifting eyes on 10, 20 and 40 litres)

R = Roll Cage

Ordering Example

Model Number: **ZG5420MX-FR**

This is a 700 bar hydraulic pump, with a 4/3 manual valve, 20 litres reservoir, with a 4,1 kW Honda gasoline engine pump, return line filter and roll bar.

ZG5 Series



Reservoir Capacity:

10 - 20 - 40 litres

Flow at Rated Pressure:

1,6 l/min

Engine Size:

4,1 - 4,8 kW

Maximum Operating Pressure:

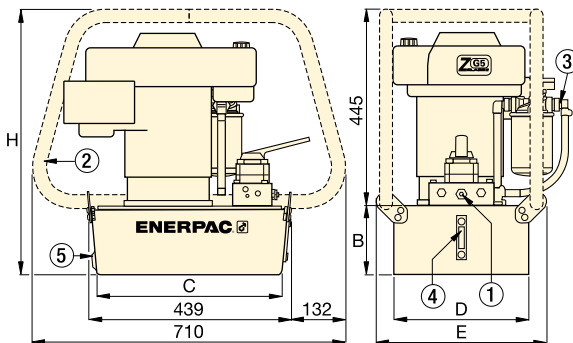
700 bar



High Pressure Hoses

Enerpac offers a complete line of high quality hydraulic hoses. To ensure the integrity of your system, specify only genuine Enerpac hydraulic hoses.

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① User adjustable relief valve on all manual valves. 3/8" NPTF on A and B ports; 1/4" NPTF on auxiliary ports.

② Roll Bar
③ Return Line Filter
④ Oil Level Gauge
⑤ Oil Drain

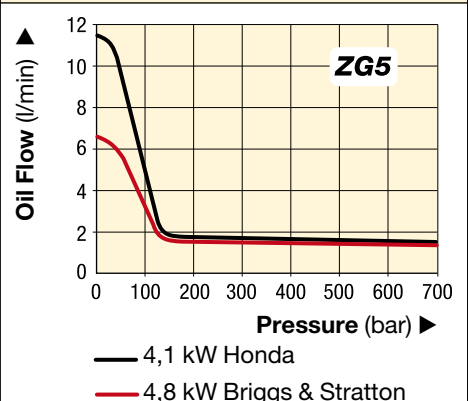
ZG6-Serie 9,7 kW Pump

The ZG6-pump has 3,3 l/min oil flow at 700 bar, Briggs & Stratton 4-cycle gasoline engine with electric start and 12 Volt charge output for accessories.

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Relief Valve Adjustment Range (bar)	Sound Level (dBA)	Dimensions (mm)					Weight (kg)	Model Number with Roll Cage
		B	C	D	E	H		
70 - 700	88 - 93	155	419	305	384	600	52	ZG5310MX-R
70 - 700	88 - 93	180	414	421	500	625	64	ZG5320MX-R
70 - 700	88 - 93	155	419	305	384	600	52	ZG5410MX-R
70 - 700	88 - 93	180	414	421	500	625	64	ZG5420MX-R
70 - 700	91 - 95	155	419	305	384	600	50	ZG5310MX-BR
70 - 700	91 - 95	180	414	421	500	625	63	ZG5320MX-BR
70 - 700	91 - 95	155	419	305	384	600	50	ZG5410MX-BR
70 - 700	91 - 95	180	414	421	500	625	63	ZG5420MX-BR
70 - 700	91 - 95	269	399	505	557	714	86	ZG5840MX-BR

OIL FLOW VERSUS PRESSURE



ZG6-Series, Gasoline Hydraulic Pump

▼ Shown: ZG6440MX-BCFH



ZG6 Series

Reservoir Capacity:
40 litres

Flow at Rated Pressure:
3,3 l/min

Engine Size:
9,7 kW

Maximum Operating Pressure:
700 bar

Z Tough
Dependable
Innovative
CLASS

- Features Z-Class high efficiency pump design:
 - higher oil flow and bypass pressure
 - patented balanced rotating pump components to reduce vibration
 - replaceable piston check valves that increase service life of pump components
- Two-speed operation reduces cycle time for improved productivity
- Easy serviceable 9,7 kW, 4-cycle gasoline engine with electric start and 12 Volt charge output for accessories.
- Dual forced air heat exchangers stabilizes hydraulic oil temperature
- Roll cage for easy portability and hoisting, protects pump
- Sturdy wheeled cart with collapsible handles
- Fullsight oil level-glass for easy oil level monitoring.



Speed Chart

To determine how a specific pump will operate your cylinder, see the Pump-Cylinder Speed Chart in the 'Yellow Pages'.


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Adjustable Pressure Relief Valve

ZG-Series pumps have a manual directional control valve with a user adjustable relief valve to allow the operator to easily set the optimum working pressure. Relief valve adjustment range 70-700 bar. Oil ports are 3/8" NPTF.

▼ SELECTION CHART

For use with cylinder	Usable Oil Capacity (litres)	Manual Control Valve Type	Valve Function	Model Number	Output Flow Rate (l/min)		4-Cycle Engine Size (kW)	Outside Dimensions L x B x H (mm)	 (kg)
					at 7 bar	at 700 bar			
Dbl-Act.	40	4/3	Adv./Hold/Retr.	ZG6440MX-BCFH	14,7	3,3	9,7	1205 x 840 x 935	152